

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A connection device for a tire-building drum for connecting a center shaft of the tire-building drum to a drive shaft on a building machine body side, ~~wherein, at shaft ends of both the shafts to be brought into contact with each other, there are provided form locking portions to be fitted with each other, the drum center shaft having a flange provided at a drum center shaft end portion, and the drive shaft having a head portion and a drive shaft end portion, the connection device comprising:~~

~~_____ one end of a cylindrical member is having one end disposed by screwing to at the head portion of the drive shaft, shaft and another end displaced from the one end; and~~

~~_____ a plurality of cam rollers rotatable around the center axis oriented in the radial direction are each having a respective center axis and being attached, with an interval in the circumferential direction, on the an inner circumferential surface of the other end of the cylindrical member, each of the plurality of cam rollers being rotatable about the respective center axis of the cam roller, the center axis of each of the plurality of cam rollers extending radially inward from the cylindrical member,~~

~~_____ wherein form-locking portions are provided at both the drum center shaft end portion and the drive shaft end portion to be brought into contact with each other,~~

~~a flange pressed by the cam rollers toward the drive shaft side under a tightening displacement of the cylindrical member is provided at the end portion of said drum center shaft, and cutout portions are provided at said flange for preventing interference of the cylindrical member with the cam rollers before said tightening displacement.~~

wherein the flange of the drum center shaft has a plurality of cutout portions enabling entry of the flange past the cam rollers and the form-locking portions to be fitted with each other, and

wherein, after the form-locking portions are fitted with each other, the drum center shaft and the drive shaft are connected by the flange of the drum center shaft being pressed by the cam rollers toward the drive shaft under a tightening displacement of the cylindrical member.

2. (Original) A connection device for a tire-building drum according to claim 1, wherein the drive shaft and the cylindrical member are screwed with trapezoidal screws.

3. (Previously Presented) A connection device for a tire-building drum according to claim 1, wherein a high-hardness metal plate is disposed at least at a portion of said flange in contact with the cam rollers.

4. (Withdrawn) A connection device for a drum-building drum for connecting a center shaft of the tire-building drum to a drive shaft on a building machine body side, wherein, at shaft ends of each of both the shafts, there are provided contact flanges and form-locking portions adapted to be fitted with each other, on each of the contact flanges, there is provided an inclined surface having a thickness which decreases gradually radially outwards from the disposed shaft side of the flange, and

on a hinged clamp made of a pair of arcuate members disposed around both the contact flanges in the mutually contact state over both the flanges, there is provided a tapered sidewall groove in contact with both the inclined surfaces of the respective contact flanges.

5. (Withdrawn) A connection device for a tire-building drum according to claim 4, wherein a surface contact can be made between the inclined surfaces of the respective contact flanges and the tapered sidewall of the hinged clamp.

6. (Currently Amended) A connection device for a tire-building drum according to claim 1, wherein a surface contact can be made between the drum center shaft and the drive shaft at each of the form-locking ~~portion~~portions and ~~the~~a contact portion around the form-locking ~~portion~~portions.

7. (Currently Amended) A connection device for a tire-building drum according to claim 1, wherein at a contact portion between the drum center shaft and the drive shaft, there is provided a relative-rotation restricting means for ~~these~~the shafts.

8. (Previously Presented) A connection device for a tire-building drum according to claim 2, wherein a high-hardness metal plate is disposed at least at a portion of said flange in contact with the cam rollers.

9. (Currently Amended) A connection device for a tire-building drum according to claim 2, wherein a surface contact can be made between the drum center shaft and the drive shaft at each of the form-locking ~~portion~~portions and ~~the~~a contact portion around the form-locking ~~portion~~portions.

10. (Currently Amended) A connection device for a tire-building drum according to claim 3, wherein a surface contact can be made between the drum center shaft and the drive shaft at each of the form-locking ~~portion~~portions and ~~the~~a contact portion around the form-locking ~~portion~~portions.

11. (Withdrawn) A connection device for a tire-building drum according to claim 4, wherein a surface contact can be made between the drum center shaft and the drive shaft at each of the form-locking portion and the contact portion around the form-locking portion.

12. (Withdrawn) A connection device for a tire-building drum according to claim 5, wherein a surface contact can be made between the drum center shaft and the drive shaft at each of the form-locking portion and the contact portion around the form-locking portion.

13. (Currently Amended) A connection device for a tire-building drum according to claim 2, wherein at a contact portion between the drum center shaft and the drive shaft, there is provided a relative-rotation restricting means for ~~these~~the shafts.

14. (Currently Amended) A connection device for a tire-building drum according to claim 3, wherein at a contact portion between the drum center shaft and the drive shaft, there is provided a relative-rotation restricting means for ~~these~~the shafts.

15. (Withdrawn) A connection device for a tire-building drum according to claim 4, wherein at a contact portion between the drum center shaft and the drive shaft, there is provided a relative-rotation restricting means for those shafts.

16. (Withdrawn) A connection device for a tire-building drum according to claim 5, wherein at a contact portion between the drum center shaft and the drive shaft, there is provided a relative-rotation restricting means for those shafts.

17. (Currently Amended) A connection device for a tire-building drum according to claim 6, wherein at a contact portion between the drum center shaft and the drive shaft, there is provided a relative-rotation restricting means for ~~these~~the shafts.